CT

MICHAEL R. KRAWZSENEK FULBRIGHT & JAWORSKI, LLP 600 CONGRESS AVENUE, SUITE 2400 AUSTIN, TX 78701

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

		(PCT Rule 43bis.1)			
		Date of mailing (day/month/year)	15 DEC 2004		
Applicant's or agent's file reference		FOR FURTHER ACTION			
MESC:014WO		See paragraph 2 below			
International application No. International filing dat		(day/month/year)	Priority date (day/month/year)		
PCT/US04/13487 30 April 2004 (30.04					
International Patent Classification (IPC) or both national classification and IPC					
IPC(7): C12N 15/00; A61K 48/00 and US C1.: 435/320.1, 514/44 Applicant					
MUSC FOUNDATION FOR RESEARCH DEVELOPMENT					
1. This opinion contains indications relating to the following items:					
Box No. I Basis of th	Basis of the opinion				
Box No. II Priority	Priority				
Box No. III Non-estable	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of ur	Lack of unity of invention				
	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain do	Certain documents cited				
Box No. VII Certain de	Certain defects in the international application				
Box No. VIII Certain ob	Certain observations on the international application				
International Preliminary Examini	ng Authority ("IPEA") e the IPEA and the chosen	xcept that this does IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1bis(b) dered.		
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/ U Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Form PCT/ISA/237 (cover sheet) (Januar		Authorized office Para I Ganvey Telephone No. (3	571) 272-0507		

WKITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

PCT/US04/13487

O
100
0.9
CPHECK
,
Carried Street
Carre
CHARLES OF
1
4
ř
m
Riti I
\cong
O)

Box No. I Basis of this opinion				
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).				
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:				
a. type of material				
a sequence listing				
table(s) related to the sequence listing				
b. format of material				
in written format				
in computer readable form				
c. time of filing/furnishing				
contained in international application as filed.				
filed together with the international application in computer readable form.				
furnished subsequently to this Authority for the purposes of search.				
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additional comments:				

YES

NO

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

PCT/US04/13487

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement		
Novelty (N)	Claims 1-53	YES
·	Claims NONE	NO
Inventive step (IS)	Claims 1-53	YES
· ·	Claims NONE	NO

Claims 1-53

Claims NONE

2. Citations and explanations:

Industrial applicability (IA)

Claims 1-53 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest an expression vector with both the transcription activating factor and the gene encoding a polypeptide under the control of a promoter consisting of a tissue-specific regulatory element and a TAF binding site. In addition, the prior art does not teach expression vectors that also incorporate a transcriptional silencer for another level of regulation.

Claims 1-53 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.